IN THE CLAIMS

The following is a complete listing of the claims, which replaces all previous versions and listings of the claims.

1. (previously presented) A physiological monitoring system, comprising:

a data acquisition component configured to acquire a set of physiological data;

a data processing component configured to generate a first representation of the set of physiological data in a first format, and to generate a second representation of the set of physiological data in a second format including at least partial redundancy of the set of physiological data, wherein the second format is a binary format; and

a printing component configured to print at least the second representation onto a suitable medium in the binary format.

2. (previously presented) The physiological monitoring system as recited in claim 1, wherein the set of physiological data comprises a set of electrocardiograph (ECG) data.

3. (previously presented) The physiological monitoring system as recited in claim 1, wherein the printing component is configured to print the first and second representations.

4. (original) The physiological monitoring system as recited in claim 1, further comprising two or more sensor leads connected to the data acquisition component via respective lead wires.

5. (previously presented) The physiological monitoring system as recited in claim 1, further comprising a storage component configured to receive at least one of the first representation or the second representation.

6. (previously presented) The physiological monitoring system as recited in claim 1, further comprising a scanning component configured to read at least one of the first representation or the second representation from the suitable medium.

7. (previously presented) The physiological monitoring system as recited in claim 6, wherein the data processing component is configured to reconstruct the first representation from the second representation.

8. (previously presented) The physiological monitoring system as recited in claim 7, wherein the printing component is configured to print the first representation onto a printout.

9-12. (canceled)

13. (previously presented) A method for storing physiological data, comprising:

acquiring a set of physiological data representative of one or more physiological parameters of interest;

generating a set of binary symbols from the set of physiological data, wherein the set of binary symbols digitally represents the set of physiological data and includes at least partial redundancy of the set of physiological data; and

printing the binary symbols.

14. (previously presented) The method as recited in claim 13, wherein the set of physiological data comprise one or more digital electrocardiograph (ECG) waveforms.

15. (original) The method as recited in claim 13, wherein the set of physiological data comprise one or more digital waveforms.

16. (previously presented) The method as recited in claim 13, wherein printing the binary symbols comprises printing the binary symbols onto a printout of at least a portion of the set of physiological data.

17. (previously presented) A computer program, provided on one or more computer readable media, for storing physiological data, comprising:

a routine for acquiring a set of physiological data representative of one or more physiological parameters of interest;

a routine for generating a set of binary symbols from the set of physiological data, wherein the set of binary symbols digitally represents the set of physiological data and includes at least partial redundancy of the set of physiological data; and

a routine for printing the binary symbols.

18. (previously presented) The computer program as recited in claim 17, wherein the set of physiological data comprises one or more digital electrocardiograph (ECG) waveforms.

19. (currently amended) A method for acquiring a set of physiological data, comprising:

acquiring a set of binary symbols from a printed medium with a device, wherein the set of binary symbols digitally represents and is at least partially redundant of a set of physiological data representative of one or more physiological parameters of interest; ~~and~~

extracting the set of physiological data from the set of binary symbols; and

outputting and/or storing the set of physiological data.

20. (previously presented) The method as recited in claim 19, wherein the set of physiological data comprises one or more digital electrocardiograph (ECG) waveforms.

21. (original) The method as recited in claim 19, further comprising storing the set of physiological data on a computer-accessible medium.

22. (original) The method as recited in claim 19, further comprising printing at least a portion of the set of physiological data.

23. (currently amended) A computer program, provided on one or more computer readable media, for acquiring a set of physiological data, comprising:

a routine for acquiring a set of binary symbols from a printed medium, wherein the set of binary symbols digitally represents a set of physiological data representative of one or more physiological parameters of interest; ~~and~~

a routine for extracting the set of physiological data from the set of binary symbols; and

a routine for outputting and/or storing the set of physiological data.

24. (previously presented) The computer program as recited in claim 23, wherein the set of physiological data comprises one or more digital electrocardiograph (ECG) waveforms.

25. (original) The computer program as recited in claim 23, further comprising a routine for storing the set of physiological data on a computer-accessible medium.

26. (original) The computer program as recited in claim 23, further comprising a routine for printing at least a portion of the set of physiological data.

27. (previously presented) An electrocardiograph (ECG) system, comprising:

means for acquiring a set of physiological data representative of one or more physiological parameters of interest;

means for generating a set of binary symbols from the set of physiological data, wherein the set of binary symbols digitally represents and is at least partially redundant of the set of physiological data; and

means for printing the binary symbols.

28. (currently amended) An electrocardiograph (ECG) system, comprising:

means for acquiring a set of binary symbols from a printed medium with a device, wherein the set of binary symbols digitally represents and is at least partially redundant of a set of physiological data representative of one or more physiological parameters of interest; and

means for extracting the set of physiological data from the set of binary symbols; and

means for outputting and/or storing the set of physiological data.

29. (canceled)

30. (previously presented) The system as recited in claim 1, wherein the data processing component is configured to generate a plurality of binary symbols digitally encoding the set of physiological data.

31. (canceled)

32. (previously presented) The system as recited in claim 1, wherein the first format is an analog format.

33. (previously presented) The system as recited in claim 32, wherein the analog format comprises at least one of a waveform, a chart, or a graph.

34. (previously presented) The system as recited in claim 32, wherein the second format comprises a binary encoding of the set of physiological data.

35. (previously presented) The system as recited in claim 32, wherein the second format includes at least one of error detection or error correction information.

36. (previously presented) The system as recited in claim 35, wherein the error detection comprises at least one of a check-sum or a cyclic redundancy check.

37-40. (canceled)